

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

KAJIYAMA *et al.*

Application Number: 10/034,075

Filed January 3, 2002

For: ADVANCED THERMAL GRADIENT DNA  
CHIP (ATGC), THE SUBSTRATE FOR ATGC,  
METHOD FOR MANUFACTURING FOR ATGC,  
METHOD AND APPARATUS FOR BIOCHEMICAL  
REACTION, AND STORAGE MEDIUM



Art Unit 1631

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FEB 25 2002  
TECH CENTER 1600/2900

Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

**RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.115**

Sir:

This is in response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence disclosures dated February 4, 2002, the period for response to which is to expire on April 4, 2002. Applicants hereby resubmit the nucleotide and/or amino acid sequences and the statement as filed concurrently.

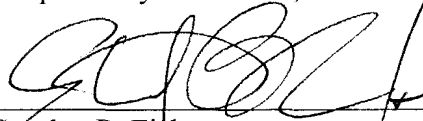
**REMARKS**

The accompanying sequence listing in computer readable format and statement under 37 C.F.R. §§ 1.821(e) and (f), along with the following remarks, are being submitted as a full and complete response to the Notice dated February 4, 2002. In particular, <220> to <223> fields of the SEQs have been revised for compliance. The Examiner is respectfully requested to review the attached sequence listing and statement, to proceed with examination of the application on the merits, and to indicate the allowability of the claims.

Substantive consideration of the claims is respectfully solicited. Should there be any outstanding issues requiring discussion that would further the prosecution and allowance of the

above-captioned application, the Examiner is invited to contact the Applicants' undersigned representative at the address and phone number indicated below.

Respectfully submitted,



Stanley P. Fisher

Registration Number 24,344

**REED SMITH, LLP**

3110 Fairview Park Drive, Suite 1400  
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(703) 641-4200

**February 20, 2002**

**JUAN CARLOS A. MARQUEZ**  
Registration No. 34,072

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

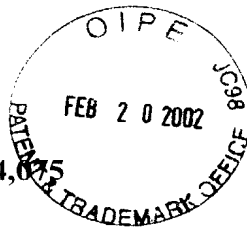
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**LETTER**

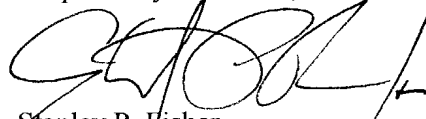
Sir:

The below-identified communications are submitted in the above-captioned application or proceeding:

<input type="checkbox"/>	Priority Documents ()	
<input type="checkbox"/>	Request for Priority	<input checked="" type="checkbox"/> Sequence Listing Statement
<input checked="" type="checkbox"/>	Response and Amendment	<input checked="" type="checkbox"/> Sequence Listing Data and Diskette

☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is attached.

Respectfully submitted,

  
Stanley P. Fisher  
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**JUAN CARLOS A. MARQUEZ**  
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**February 20, 2002**



## UNITED STATES PATENT AND TRADEMARK OFFICE

 COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/034,075	01/03/2002	Tomoharu Kajiyama	HIRA.0021

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CONFIRMATION NO. 2462

## FORMALITIES LETTER



\*OC000000007412919\*

Date Mailed: 02/04/2002

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS  
 CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE  
 DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- This application does not contain a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Applicant must provide such statement. If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

*A copy of this notice **MUST** be returned with the reply.*

S.B.

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Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY